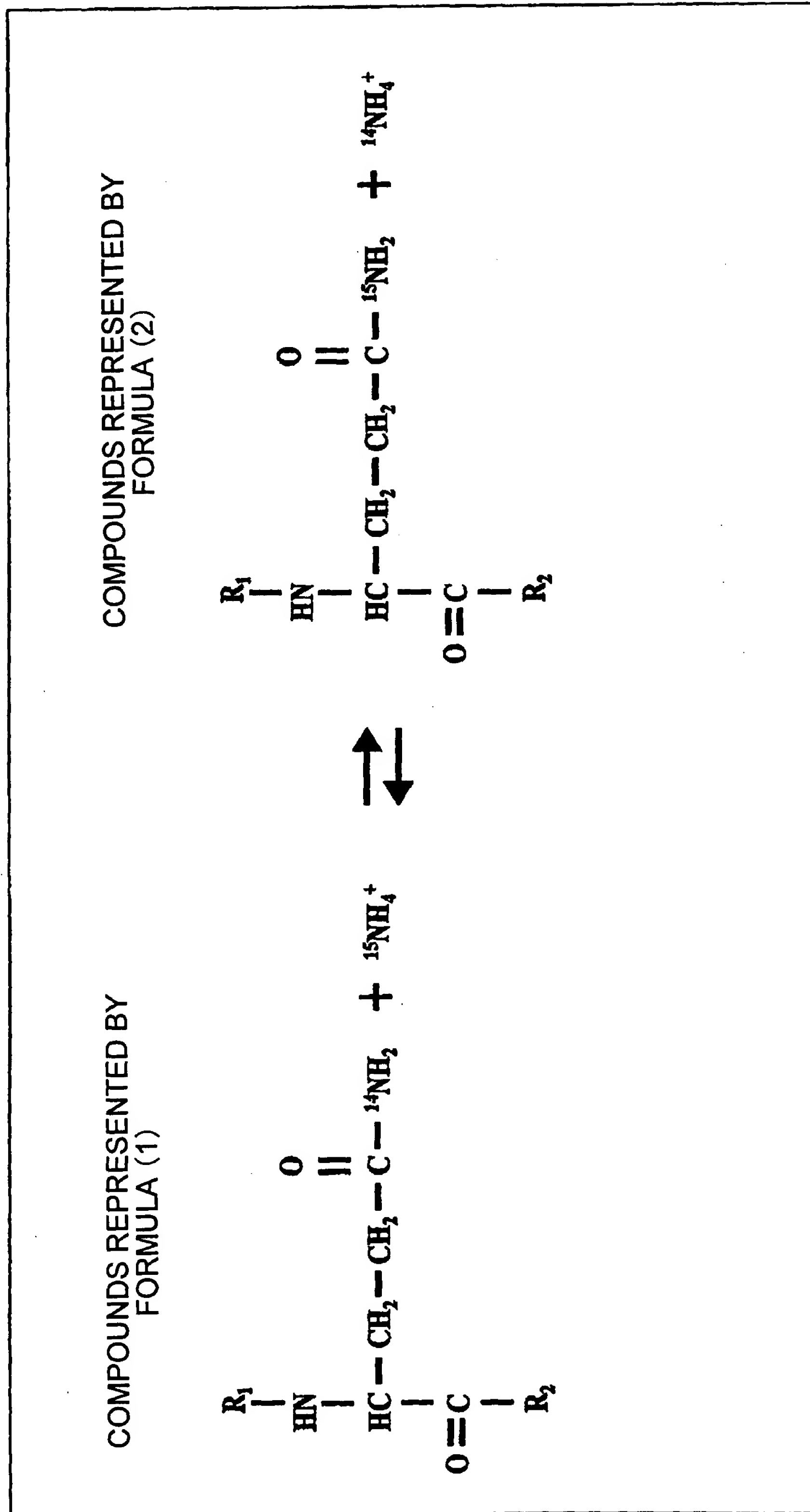


FIG. 1



SCHEME FOR <sup>15</sup>N-LABELING OF CARBOXAMIDE NITROGEN ATOM ON A GLUTAMINE RESIDUE

7-60303-1-005560

FIG. 2a

CBZ-Gln-Gly  
<sup>1</sup>H-NMR

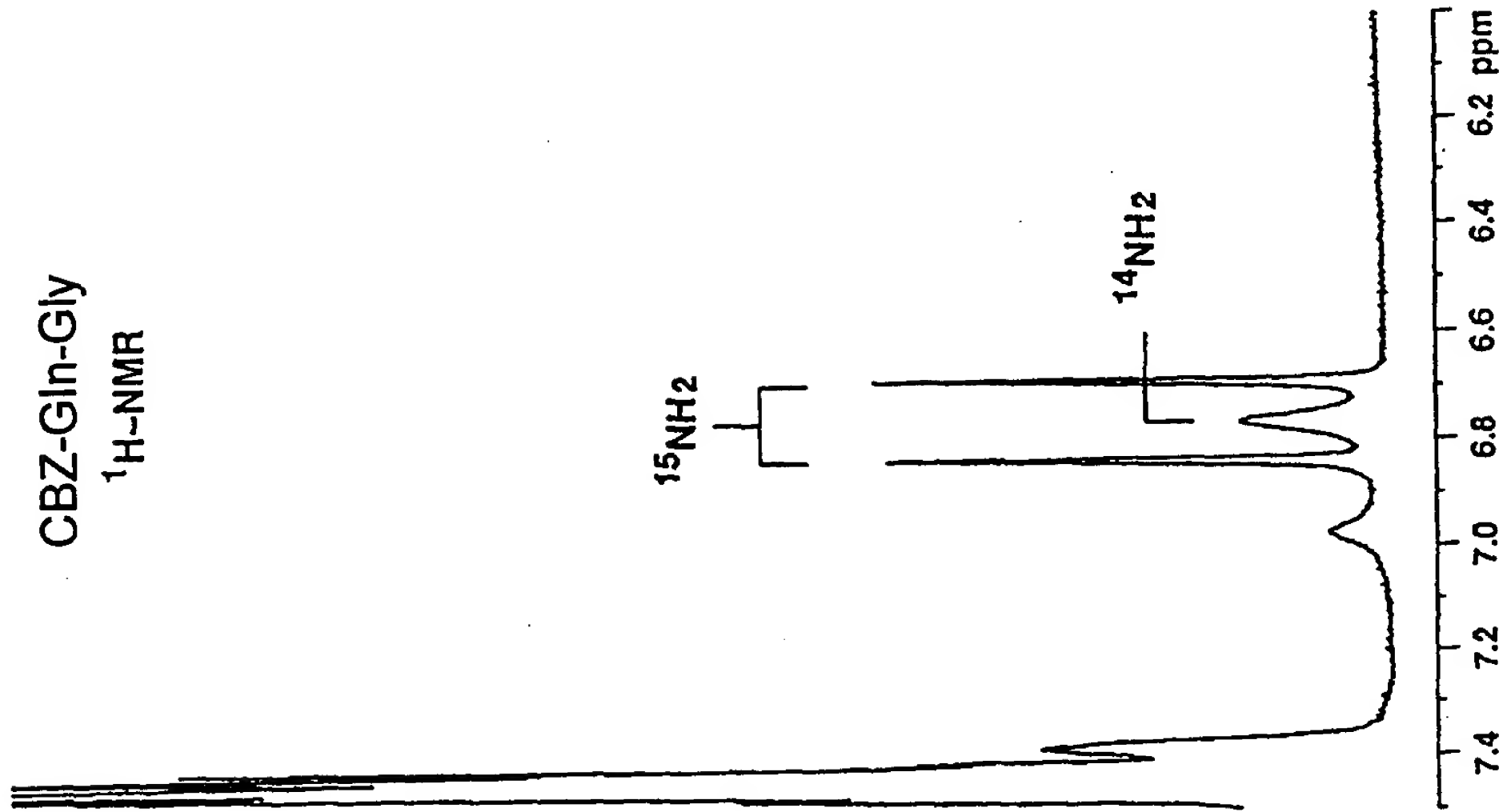
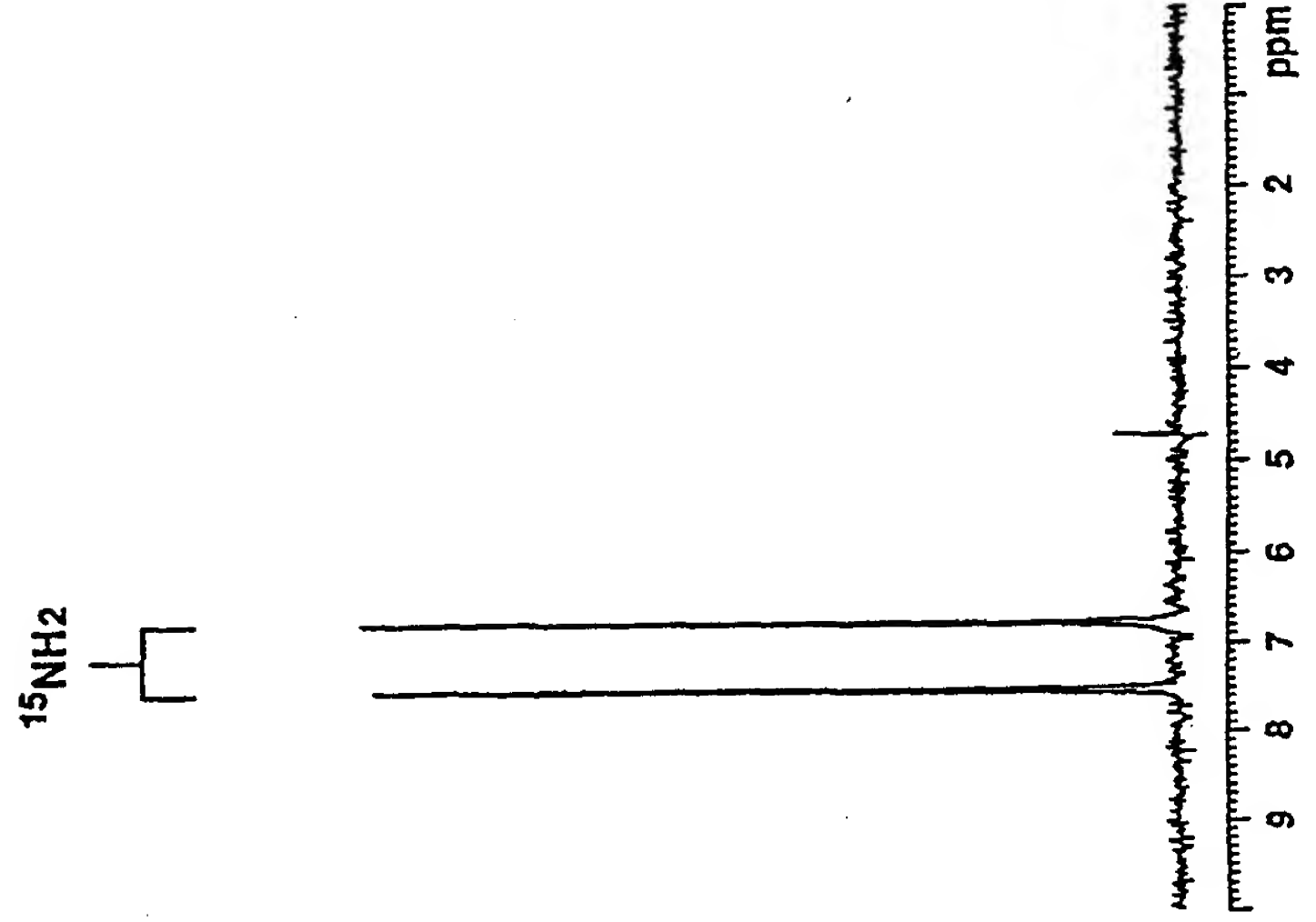


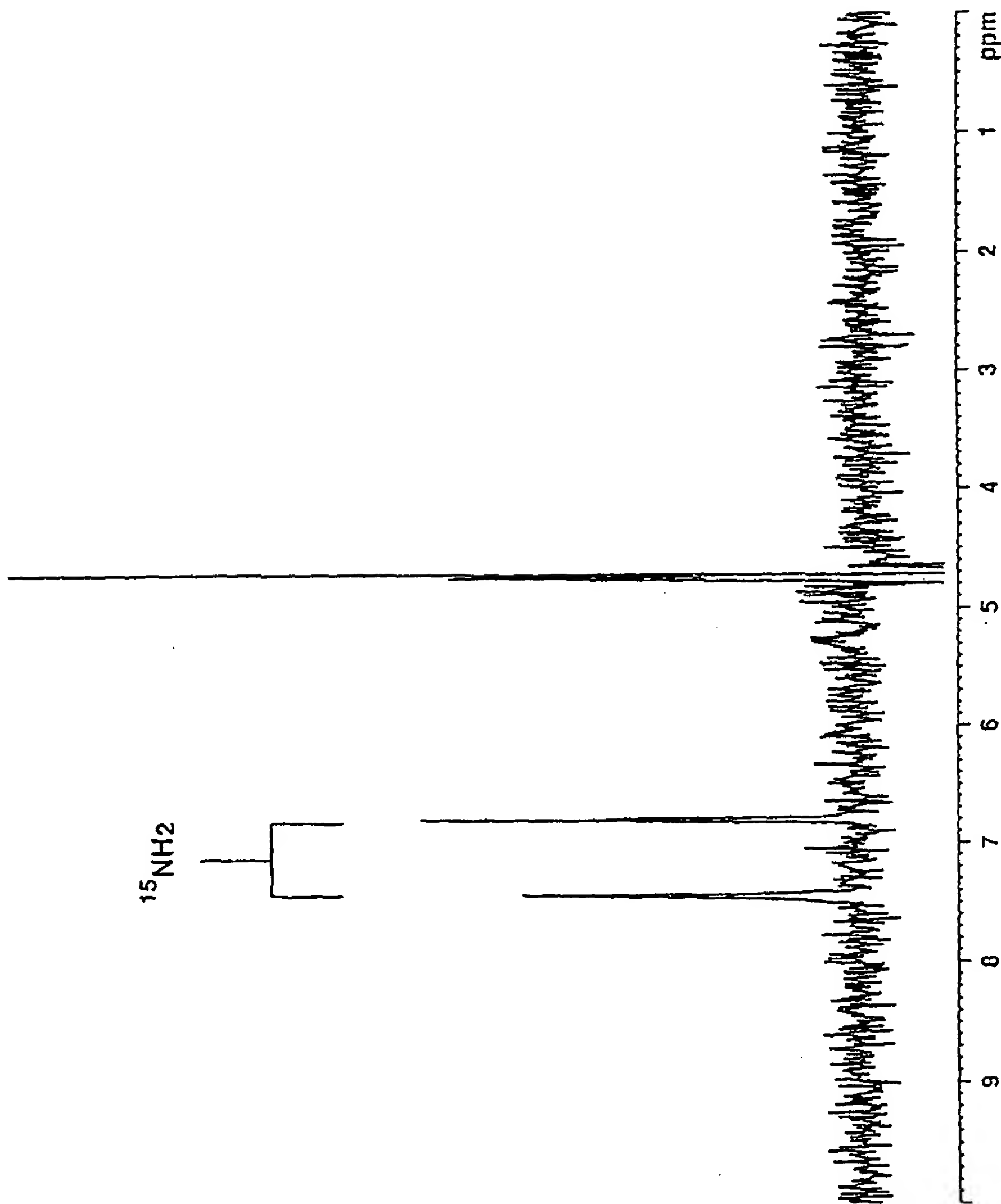
FIG. 2b

CBZ-Gln-Gly  
HSQC



**FIG. 3**

## HSQC SPECTRUM OF INSULINE B-CHAIN

 $^{15}\text{NH}_2$

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FIG. 4a

INSULINE A-CHAIN

HSQC

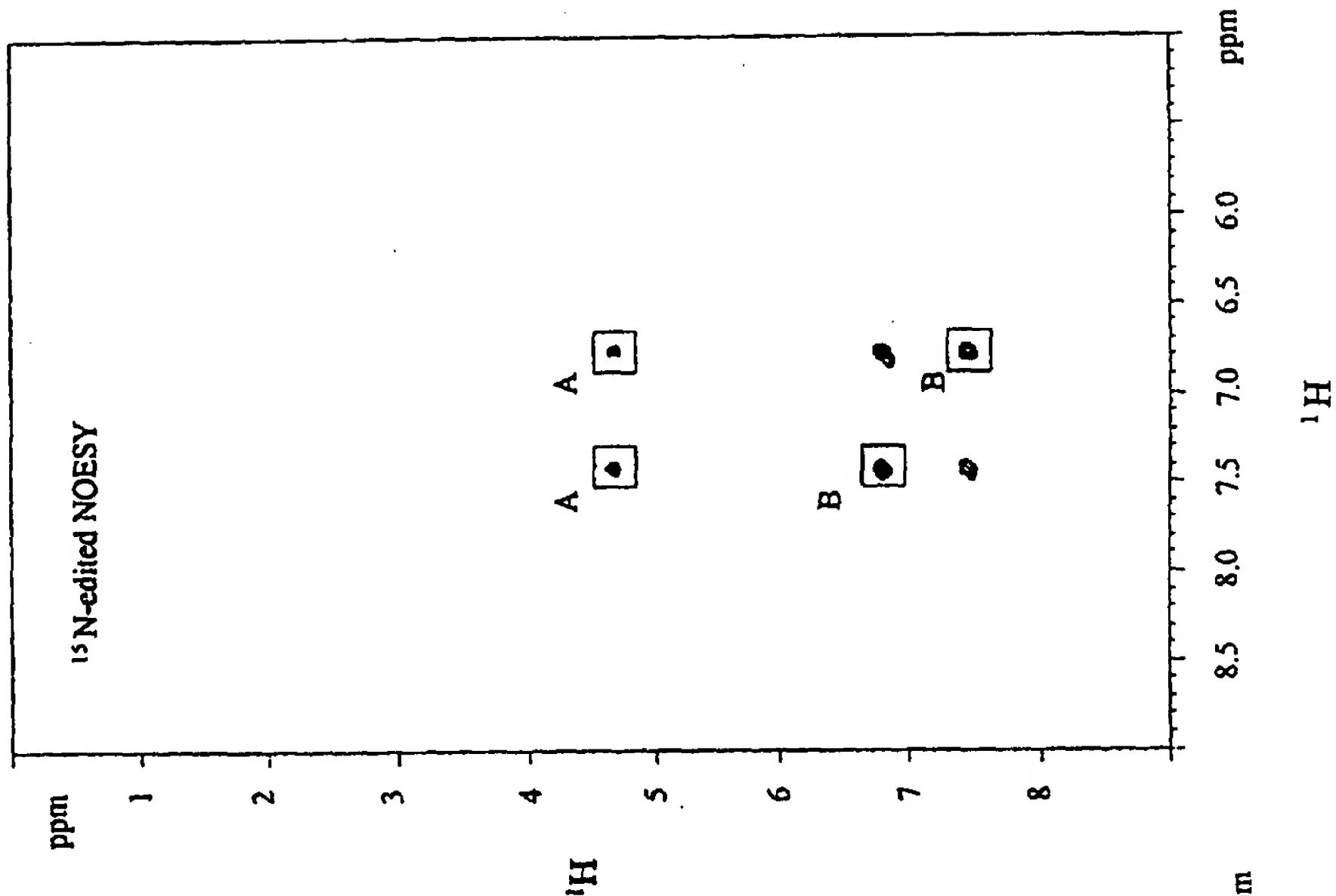
$^{15}\text{NH}_2$



FIG. 4b

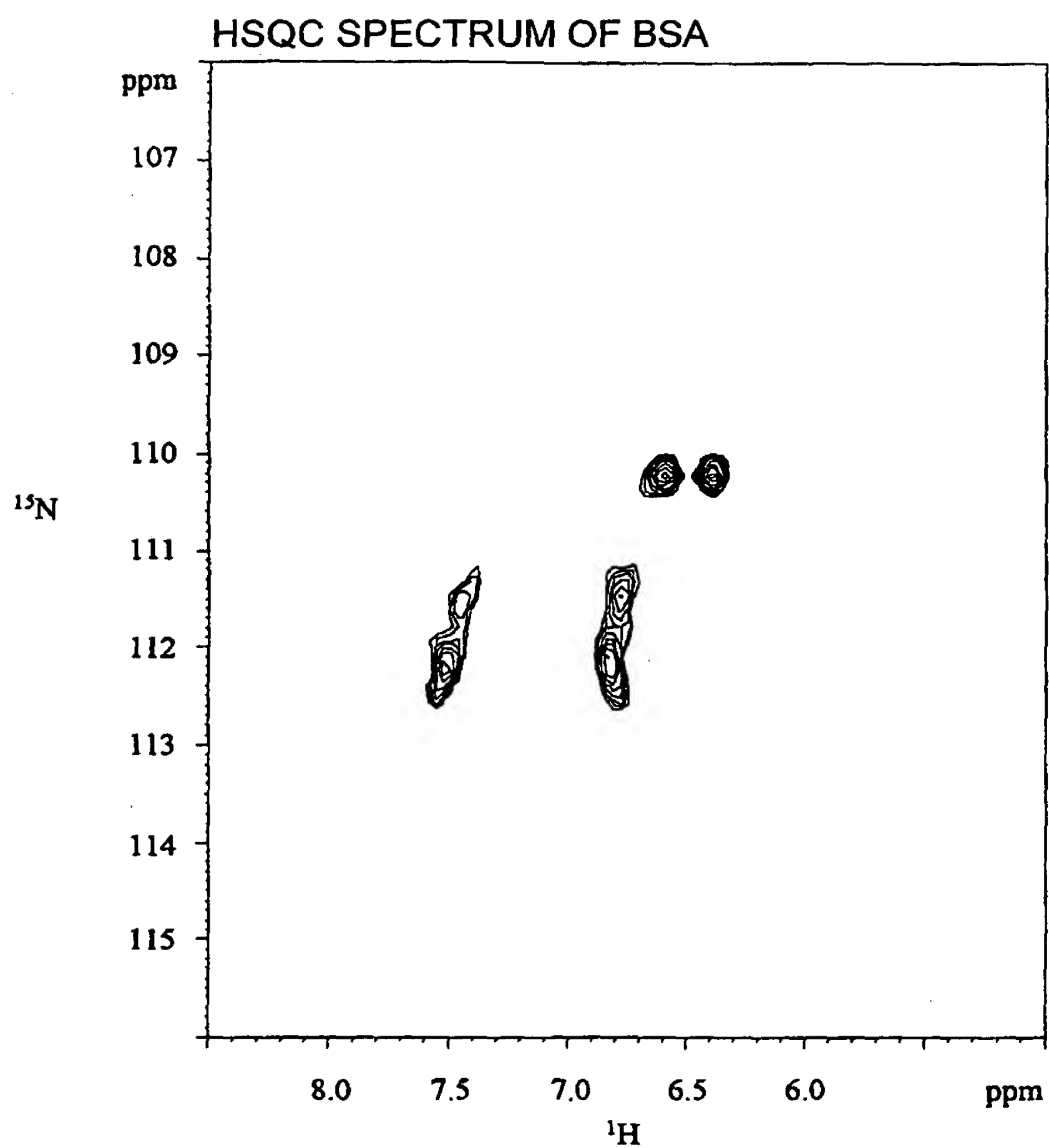
INSULINE A-CHAIN

$^{15}\text{N}$ -edited NOESY



5/7

FIG. 5



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FIG. 6a

$^{15}\text{N}$ -LABELING BY MTG

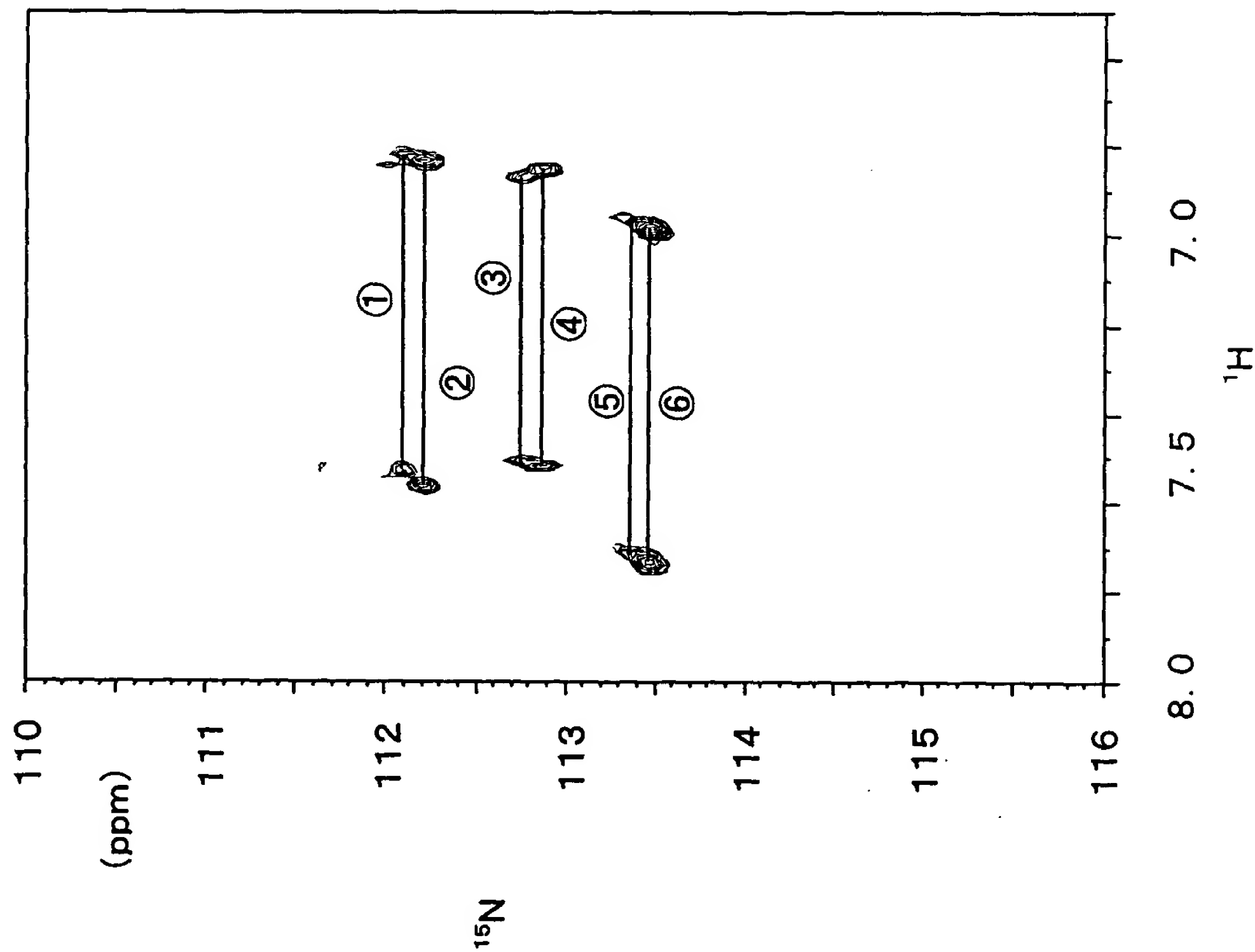
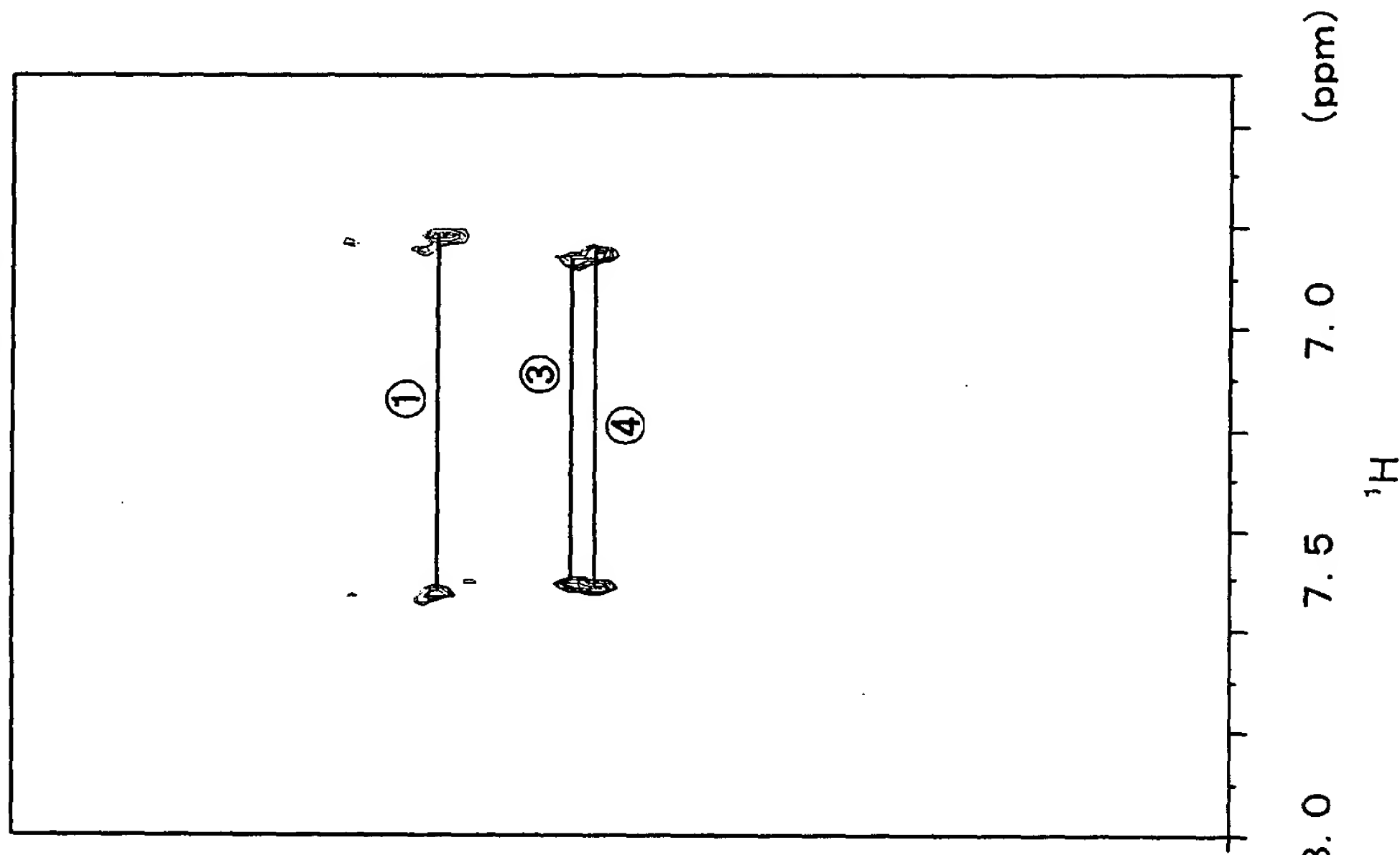


FIG. 6b

$^{15}\text{N}$ -LABELING BY TRANSGLUTAMINASE  
FROM GUINEA PIG



7/7

FIG. 7

